

EnCana Corporation
Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well Woolley 11-7
Company:	DJ/Paradox/WTX	TVD Reference:	WELL @ 5072.0ft (Original Well Elev)
Project:	Wattenberg	MD Reference:	WELL @ 5072.0ft (Original Well Elev)
Site:	New Drills	North Reference:	True
Well:	Woolley 11-7	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Woolley 11-7		

Project	Wattenberg,		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	New Drills				
Site Position:		Northing:	1,252,450.66 ft	Latitude:	40° 1' 32.016 N
From:	Lat/Long	Easting:	3,120,627.66 ft	Longitude:	105° 4' 9.336 W
Position Uncertainty:	ft	Slot Radius:	in	Grid Convergence:	0.28 °

Well	Woolley 11-7					
Well Position	+N/-S	16,643.1 ft	Northing:	1,269,122.12 ft	Latitude:	40° 4' 16.500 N
	+E/-W	5,617.8 ft	Easting:	3,126,160.75 ft	Longitude:	105° 2' 57.120 W
Position Uncertainty		ft	Wellhead Elevation:	ft	Ground Level:	5,059.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	9.14	66.79	53,098

Design	Woolley 11-7			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	269.16

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
870.0	0.00	0.00	870.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,480.5	12.21	269.16	1,475.9	-0.9	-64.8	2.00	2.00	0.00	269.16	
6,743.8	12.21	269.16	6,620.1	-17.2	-1,177.8	0.00	0.00	0.00	0.00	
7,354.3	0.00	0.00	7,226.0	-18.2	-1,242.6	2.00	-2.00	0.00	180.00	
8,504.3	0.00	0.00	8,376.0	-18.2	-1,242.6	0.00	0.00	0.00	0.00	Woolley 11-7

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Wellbore:	Wellbore #1		
Design:	Woolley 11-7		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude	
0.0	0.00	0.00	0.0	0.0	0.0	1,269,122.12	3,126,160.75	40° 4' 16.500 N	105° 2' 57.120 W	
820.0	0.00	0.00	820.0	0.0	0.0	1,269,122.12	3,126,160.75	40° 4' 16.500 N	105° 2' 57.120 W	
Surface										
870.0	0.00	0.00	870.0	0.0	0.0	1,269,122.12	3,126,160.75	40° 4' 16.500 N	105° 2' 57.120 W	
1,480.5	12.21	269.16	1,475.9	-0.9	-64.8	1,269,120.84	3,126,095.96	40° 4' 16.491 N	105° 2' 57.953 W	
4,520.4	12.21	269.16	4,447.0	-10.3	-707.6	1,269,108.17	3,125,453.19	40° 4' 16.397 N	105° 3' 6.222 W	
Sussex										
5,139.4	12.21	269.16	5,052.0	-12.3	-838.5	1,269,105.59	3,125,322.31	40° 4' 16.379 N	105° 3' 7.906 W	
Shannon										
6,743.8	12.21	269.16	6,620.1	-17.2	-1,177.8	1,269,098.90	3,124,983.06	40° 4' 16.329 N	105° 3' 12.271 W	
7,354.3	0.00	0.00	7,226.0	-18.2	-1,242.6	1,269,097.63	3,124,918.27	40° 4' 16.320 N	105° 3' 13.104 W	
7,590.3	0.00	0.00	7,462.0	-18.2	-1,242.6	1,269,097.63	3,124,918.27	40° 4' 16.320 N	105° 3' 13.104 W	
Niobrara										
7,923.3	0.00	0.00	7,795.0	-18.2	-1,242.6	1,269,097.63	3,124,918.27	40° 4' 16.320 N	105° 3' 13.104 W	
Codell										
8,354.3	0.00	0.00	8,226.0	-18.2	-1,242.6	1,269,097.63	3,124,918.27	40° 4' 16.320 N	105° 3' 13.104 W	
J Sand										
8,405.3	0.00	0.00	8,277.0	-18.2	-1,242.6	1,269,097.63	3,124,918.27	40° 4' 16.320 N	105° 3' 13.104 W	
A Marker										
8,504.3	0.00	0.00	8,376.0	-18.2	-1,242.6	1,269,097.63	3,124,918.27	40° 4' 16.320 N	105° 3' 13.104 W	
Production - Woolley 11-7										

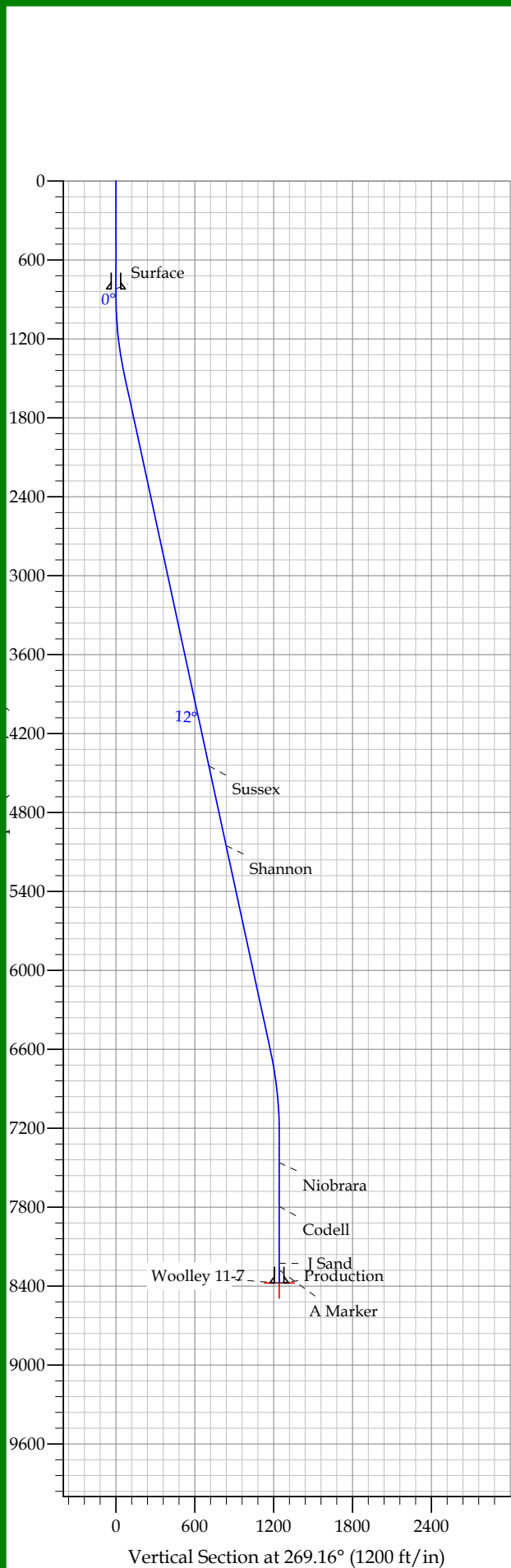
Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
- hit/miss target										
- Shape										
Woolley 11-7	0.00	0.00	8,376.0	-18.2	-1,242.6	1,269,097.63	3,124,918.27	40° 4' 16.320 N	105° 3' 13.104 W	
- plan hits target										
- Point										

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)		
820.0	820.0	Surface	8.625	12.250		
8,504.3	8,376.0	Production	4.500	7.785		

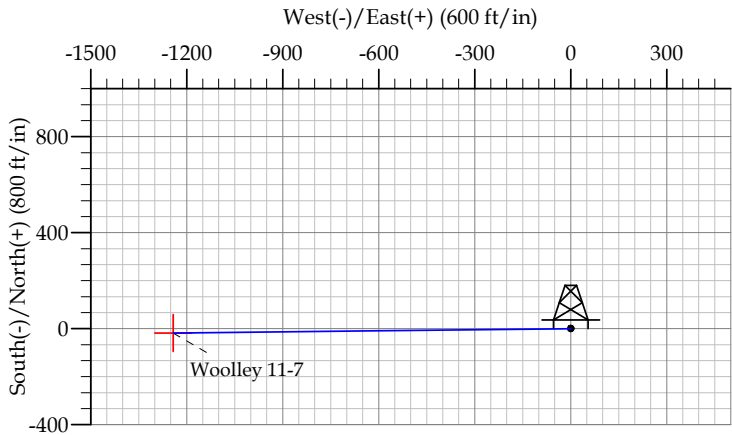
Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,520.4	4,447.0	Sussex		0.00		
5,139.4	5,052.0	Shannon		0.00		
7,590.3	7,462.0	Niobrara		0.00		
7,923.3	7,795.0	Codell		0.00		
8,354.3	8,226.0	J Sand		0.00		
8,405.3	8,277.0	A Marker		0.00		

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Site:	New Drills	North Reference:	True
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Wellbore:	Wellbore #1		
Design:	Woolley 11-7		



REFERENCE INFORMATION										
Co-ordinate (N/E) Reference: Well Woolley 11-7, True North										
Vertical (TVD) Reference: WELL @ 5072.0ft (Original Well Elev)										
Section (VS) Reference: Slot - (0.0N, 0.0E)										
Measured Depth Reference: WELL @ 5072.0ft (Original Well Elev)										
Calculation Method:										
WELL DETAILS: Woolley 11-7										
+N/-S	+E/-W	Northing	Ground Level: 5059.0		Easting		Latitude	Longitude		Slot
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	870.0	0.00	0.00	870.0	0.0	0.0	0.00	0.00	0.0	
3	1480.5	12.21	269.16	1475.9	-0.9	-64.8	2.00	269.16	64.8	
4	6743.8	12.21	269.16	6620.1	-17.2	-1177.8	0.00	0.00	1177.9	
5	7354.3	0.00	0.00	7226.0	-18.2	-1242.6	2.00	180.00	1242.7	
6	8504.3	0.00	0.00	8376.0	-18.2	-1242.6	0.00	0.00	1242.7	Woolley 11-7



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4447.0	4520.4	Sussex
5052.0	5139.4	Shannon
7462.0	7590.3	Niobrara
7795.0	7923.3	Codell
8226.0	8354.3	J Sand
8277.0	8405.3	A Marker
CASING DETAILS		
TVD	MD	Name Size
820.0	820.0	Surface 8.625
8376.0	8504.3	Production 4.500